OIPE IAP43 NOV 21 2005 PATENT & TRADEMARK OFFICE

FIG. 1

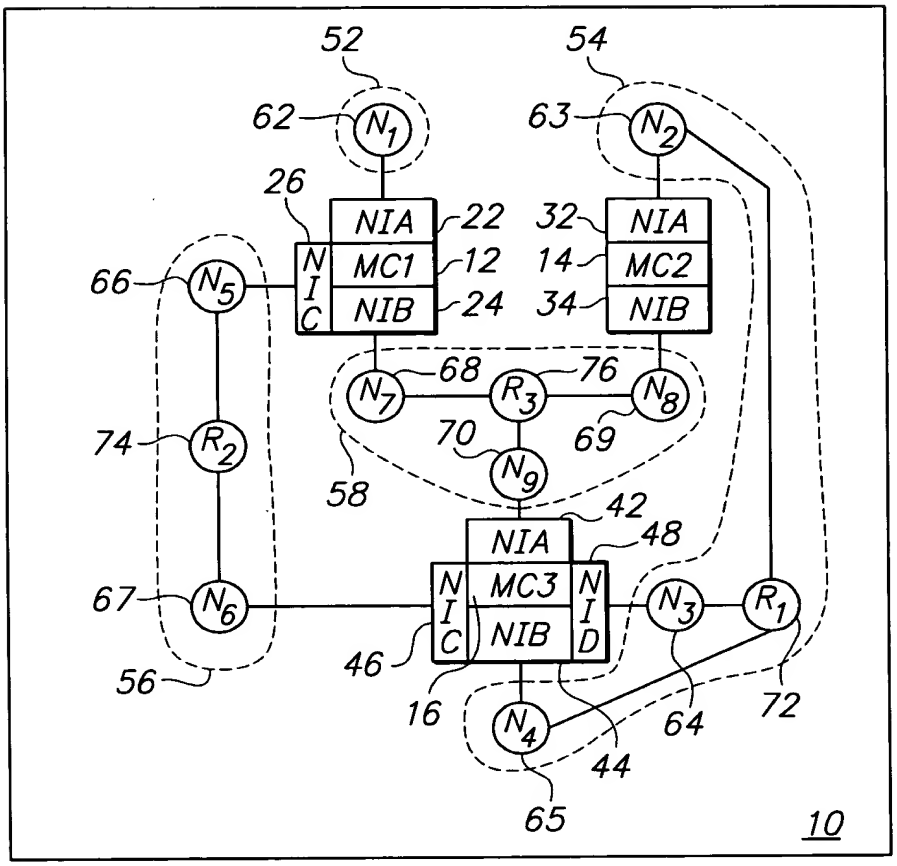


FIG. 2

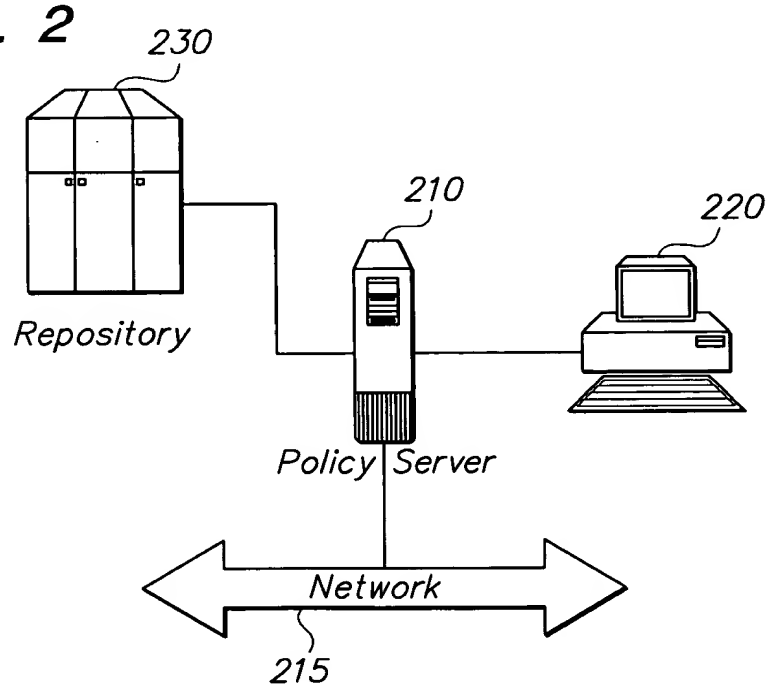


FIG. 3

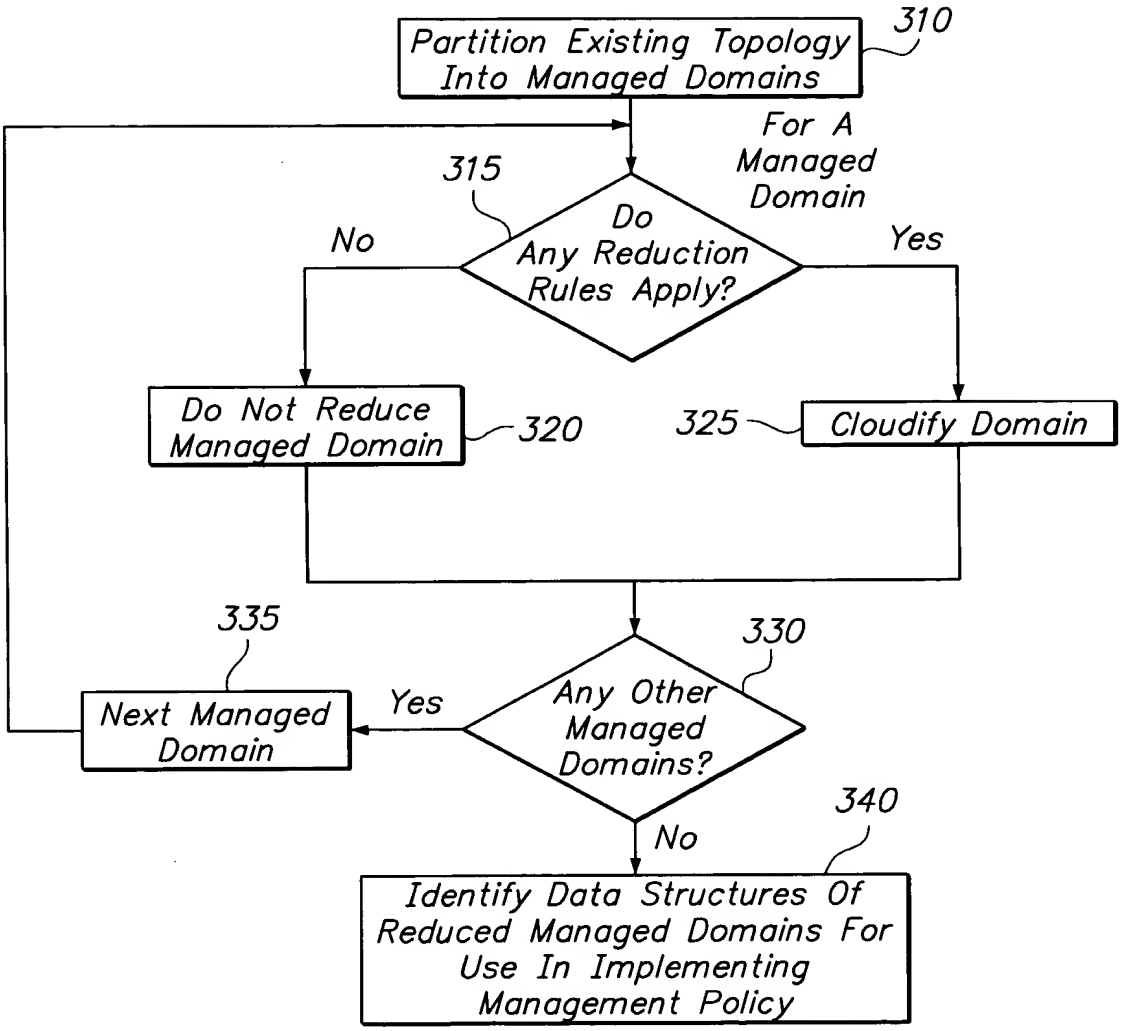

Partition Existing Topology Into Managed Domains
310
For A Managed Domain
315
Do Any Reduction Rules Apply?
No
Yes
Do Not Reduce Managed Domain
320
325
Cloudify Domain
335
330
Next Managed Domain
Yes
Any Other Managed Domains?
340
No
Identify Data Structures Of Reduced Managed Domains For Use In Implementing Management Policy

FIG. 4

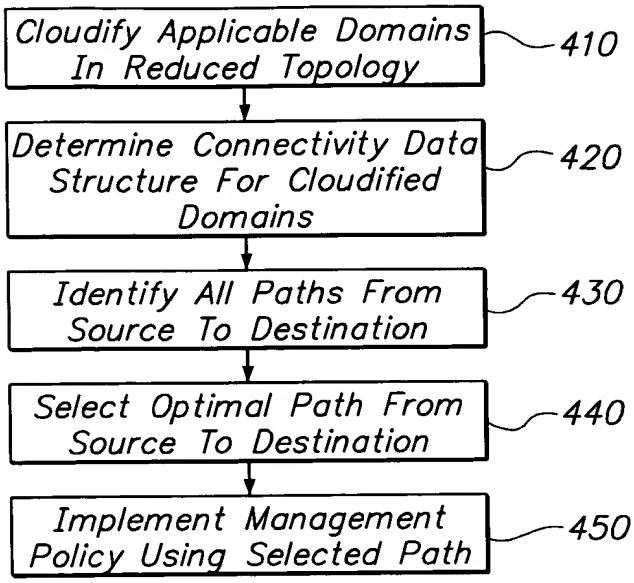
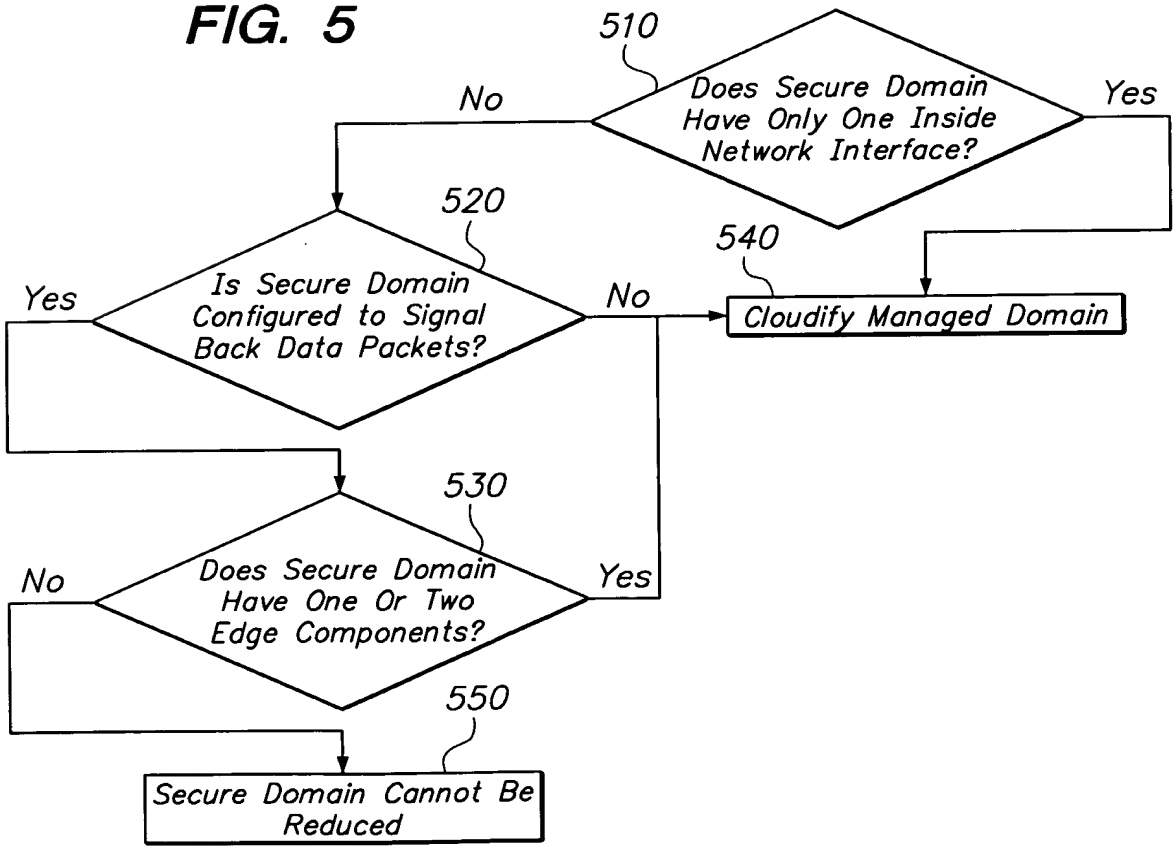

Cloudify Applicable Domains In Reduced Topology
410
Determine Connectivity Data Structure For Cloudified Domains
420
Identify All Paths From Source To Destination
430
Select Optimal Path From Source To Destination
440
Implement Management Policy Using Selected Path
450

FIG. 5


510
Does Secure Domain Have Only One Inside Network Interface?
No
Yes
520
Is Secure Domain Configured to Signal Back Data Packets?
Yes
No
540
Cloudify Managed Domain
530
Does Secure Domain Have One Or Two Edge Components?
No
Yes
550
Secure Domain Cannot Be Reduced

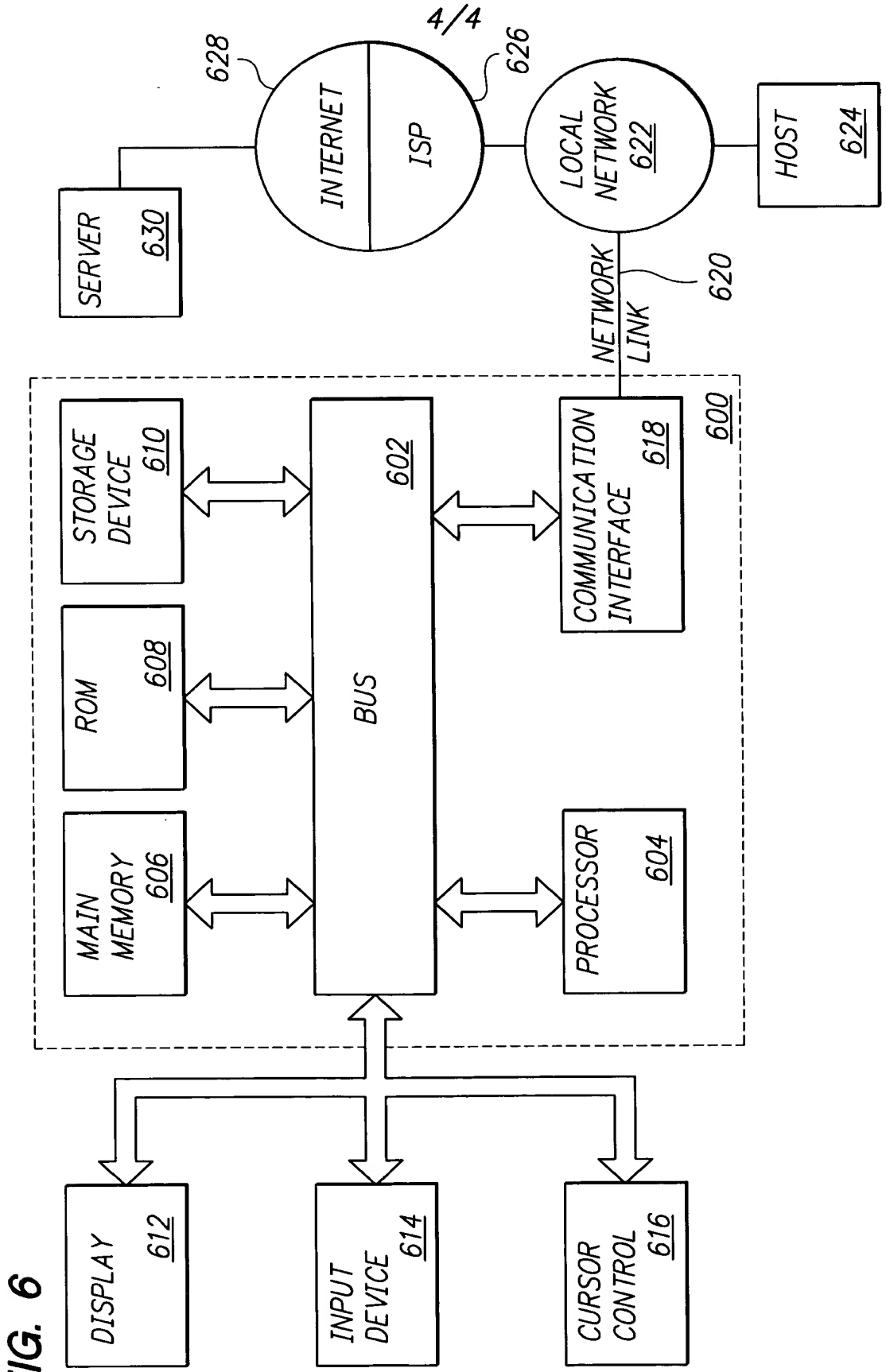

628
INTERNET
ISP
626
LOCAL NETWORK 622
HOST 624
SERVER 630
NETWORK LINK
620
600
STORAGE DEVICE 610
602
COMMUNICATION INTERFACE 618
ROM 608
BUS
MAIN MEMORY 606
PROCESSOR 604
DISPLAY 612
INPUT DEVICE 614
CURSOR CONTROL 616

FIG. 6